

Converting Colors

CIELCh(54, 59.567, 286.798)

Have a look what the booklet for
CIELCh(54, 59.567, 286.798)
contains.

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Color

CIELCh(54, 59.502, 286.717)

Conversions

Conversions Part 1

Format	Color
Hex	507DE4
RGB	80, 125, 228
RGB Percent	31%, 49%, 89%
CMY	0.6862, 0.5098, 0.1059
CMYK	0.65, 0.45, 0.00, 0.11
HSL	222°, 73%, 60%
HSV	222°, 65%, 89%
XYZ	24.6459, 21.9746, 76.3419
YIQ	123.2870, -59.8830, 22.4930

Conversions

Conversions Part 2

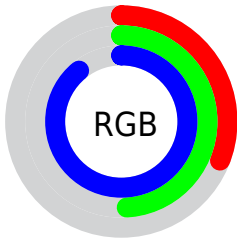
Format	Color
R _Y B	80, 115, 228
Decimal	5275108
CIE Lab	54.00, 17.12, -56.99
CIE LCh	54, 59.502, 286.717
Yxy	21.9746, 0.2004, 0.1787
Android (android.graphics.Color)	4283465188 (0xFF507DE4)
YUV	123.2870, 51.6235, -37.9627
Hunter-Lab	46.8770, 11.8128, -63.7433

Details

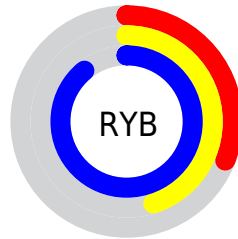
The CIELCh color **54, 59.502, 286.717** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **77, 57.219, 84.674**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 43.086, 280.702**, and **35, 59.239, 288.550** is the 20% darker color. If you saturate the color by 10%, you get **49, 69.584, 289.993**, and if you desaturate by 10%, it is **59, 49.711, 283.768**.

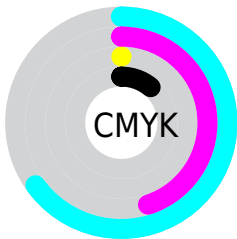
Distribution



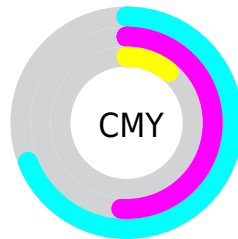
- Red (31%)
- Green (49%)
- Blue (89%)



- Red (31%)
- Yellow (45%)
- Blue (89%)



- Cyan (65%)
- Magenta (45%)
- Yellow (0%)
- Black (11%)





- Cyan (69%)
- Magenta (51%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 59.502, 286.717 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 54, 59.502, 286.717 by changing the saturation by 10% instead.


 54, 59.502,
286.717


 54, 59.502,
286.717


 100, 59.502,
286.717

 44, 59.502,
286.717


 74, 59.502,
286.717

 34, 59.502,
286.717

 84, 59.502,
286.717

 24, 59.502,
286.717

 94, 59.502,
286.717

 14, 59.502,
286.717

 4, 59.502, 286.717

 0, 59.502, 286.717

■ 54, 59.502,
286.717

■ 54, 59.502,
286.717

■ 49, 69.584,
289.993

■ 59, 49.711,
283.768

■ 44, 79.900,
293.478

■ 65, 40.193,
281.184

■ 40, 90.217,
296.971

■ 71, 30.913,
278.955

■ 38, 95.342,
298.619


■ 76, 21.837,
277.049

■ 82, 12.946,
275.425

■ 88, 4.227, 274.066

■ 93, 4.324, 92.750

■ 99, 12.189,
104.032

 99, 13.662,
109.145

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54, 59.502, 286.717



77, 57.219, 84.674

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54, 59.502, 286.717



54, 59.502, 336.717



54, 59.502, 106.717



54, 59.502, 156.717

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54, 59.502, 286.718



88, 18.138, 276.076



82, 51.426, 167.115



45, 12.518, 276.548



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 59.502, 286.718



53, 79.718, 291.223



45, 86.676, 304.297



45, 4.934, 274.648



29, 78.098, 298.067



5, 26.347, 289.053

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 61.031, 6.140



57, 76.964, 10.863



86, 72.361, 113.204



45, 5.206, 356.525



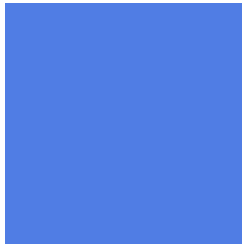
37, 66.914, 20.592



7, 26.662, 8.277

Previews

White Background



This preview shows how the CIELCh color 54, 59.502, 286.717 looks on a white background.

Color Contrast Check

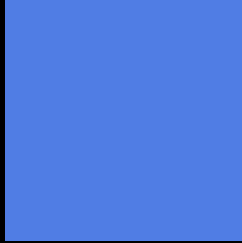
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 54, 59.502, 286.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

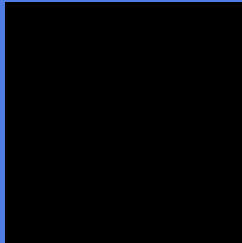
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

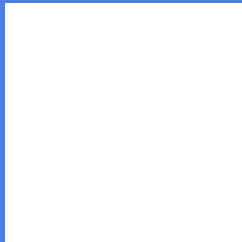
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 59.502, 286.717

Background



This preview shows how black text looks on a background with the CIELCh color 54, 59.502, 286.717.



This preview shows how white text looks on a background with the CIELCh color 54, 59.502, 286.717.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

54, 59.502, 286.717

Protanopia

54, 59.502, 286.717

Deuteranopia

54, 57.158, 278.794



Tritanopia
54, 29.023, 209.637

Trichromacy



Original Color
54, 59.502, 286.717

Protanomaly
54, 59.502, 286.717

Deuteranomaly
54, 57.914, 281.343

Tritanomaly
54, 32.311, 250.565

Monochromacy



Original Color
54, 59.502, 286.717

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 22.030, 277.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 59.502, 286.717 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(80, 125, 228)` looks like.

```
.text, #text, p{  
    color:rgb(80, 125, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(80, 125, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 59.502, 286.717 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 125, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(80, 125, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(80, 125, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 228);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 59.502, 286.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 125, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(80, 125,  
228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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